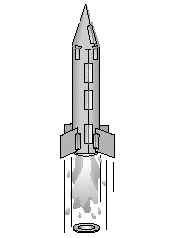
**Film Canister Rockets – 3rd grade**

<http://www.metacafe.com/watch/2371437/home_experiment_film_canister_rockets/>

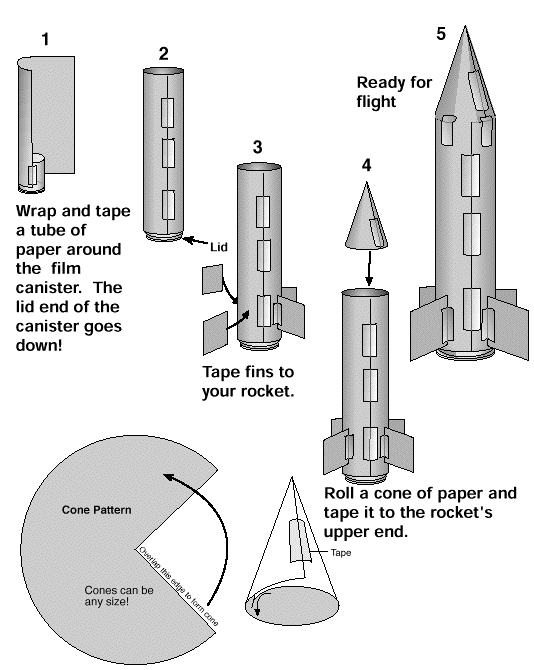
**Rocketeer Names:**



**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**The Launch**

1. \*Launch outside next to a wall so you can measure the height it travels.
2. **IMPORTANT:** This experiment requires you to wear protective safety glasses
3. Flip the canister/rocket upside down.
4. Fill the film canister 1/2 full with water.
5. Place a piece of toilet paper on top of the film canister and push it down a little bit to create a nest (do not let it get wet).

**\*\*The teacher should have 1/3 of the class with a quarter tablet, 1/3 of the class with a half tablet, and the final 1/3 of the class use a full size tablet. This will give you a better discussion for the later part of the lesson**

1. Place an Alka-Seltzer tablet into the nest.
2. Close the lid and rip off the rest of the toilet paper.
3. Invert the canister and stand back quickly to see it launch.

**Data:**

A. How high did the rocket travel? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

B. List two ways you could change the experiment?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

C. What three ways can you improve you rocket?

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_